



सत्यमेव जयते

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PUBLISHED BY AUTHORITY



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No. 15] NEW DELHI, SATURDAY, APRIL 14, 2001 (CHAITRA 24, 1923)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
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Calcutta, the 14th April 2001

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Phone No. 578 2532
Fax No. 011 576 6204

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IIIrd Floor, Rajaji Bhavan,
Besant Nagar, Chennai-600 090.

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and Aminidivi Islands.

Telegraphic address "PATENTOFIS"
Phone No. 490 1496
Fax No. 044 490 1492.

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Building, 5th, 6th & 7th
Floors, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"
Phone No. 247 4401
Fax No. 033 247 3851.

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पेटेंट कार्यालय**एकत्र तथा अभिकल्प****कलकत्ता, दिनांक 14 अप्रैल 2001**

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुम्बई, दिल्ली एवं बॉम्बे में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोर के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांगी इस्टेट,
तीसरा तल, लोअर परबल (प.),
मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा राजा राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता - "पेटेंटॉफिस"

फोन : 482 5092 फैक्स : 022 495 0622

पेटेंट कार्यालय शाखा.

एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरम्पनी मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
जलन्धर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र संडीगांव ।

तार पता - "पेटेंटॉफिस"

फोन : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शाखा,

बिग सी (सी-4, ए),

तीसरा तल, राजाजी भवन, बसन्त नगर,
बॉम्बे-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप. मिनीकाय
तथा एमिनिदिधि द्वीप ।

तार पता - "पेटेंटॉफिस"

फोन : 490 1495 फैक्स : 044 490 1492

पेटेंट कार्यालय (प्रधान कार्यालय)

निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का अद्वितीय क्षेत्र ।

तार पता - "पेटेंट्स"

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम,
1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित
सभी आवेदन, सूचनाएं, विवरण या अन्य वस्तुएँ या कंई
फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण
किये जायेंगे ।

एक : श्रुतियों की अदायगी या तो नकद की जाएगी अथवा
जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक
से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की
जा सकती है ।

ALTERATION OF DATE UNDER SECTION 16

185728 (1274/Cal/98) Antedated to 25-07-1995.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

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In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंधित आवेदनों में व किन्हीं पर पेटेंट अनुदान को विरोध करने के इच्छुक व्यक्ति, इसके विनिर्देश की तिथि से चार (4) महीने या अगस्त एंसेरी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्रारूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर की भी निम्न-प्रकृति एकत्र की उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रारूप 7 पर दे सकते हैं । विरोध संबंधी लिखित दस्तावेज की

प्रतिबंधों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फाइल कर दिए जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अधिकतम प्रतियाँ की जापूति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30 रुपये प्रति की श्रदावगी पर की जा सकती हैं।

ऐसी परिस्थिति में जब विनिर्देश की अधिकतम प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की फोटो प्रतियाँ की जापूति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ वन 30 रुपये की श्रदावगी पर की जा सकती हैं।

Ind. Cl. : 32 2(d).

185701

Int. Cl.⁴ : C 07 C 139/00, 143/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF SULFOXIDES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, INDIA.

Inventor(s) :

1. TIMMANNA TIMMANNA UPADHYA—INDIA
2. THOMAS DANIEL ARUMUGAM SUDALAI—INDIA
3. THOTTAPPALLIL RAVINDRANATHAN—INDIA

Kind of Application : Complete.

Application for Patent No. 858/Del/96 filed on 23-04-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for the preparation of sulfoxides which comprises reacting a sulfide/thioether with a novel metallosilicate catalyst prepared by the process as herein described conventional oxidising agent such as peroxides in the presence of a polar organic solvent stirring the mixture thoroughly to allow the reaction to complete, separating the unutilised catalyst by filtration and recovering the sulfoxide formed by removing the solvent by evaporation.

(Compl. Specn. : 18 Pages;

Drgn. : Nil Sheet)

Ind. Cl. : 189, 55 L₄, 60 x 2d.

185702

Int. Cl.⁴ : A 61 K 31/00.

A PROCESS FOR THE PREPARATION OF A PLAQUE INHIBITING ANIBACTERIAL ORAL GEL COMPOSITION.

Applicant COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK 1002, UNITED STATES OF AMERICA.

Inventor(s) :

1. ABDUL GAFFAR—U.S.A.
2. RALPH PETER SANTARPIA—U.S.A.

Application for Patent No. 1011/Del/96 filed on 14th May, 96.

Convention Application No. 08/444,071/US/18-05-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

19 Claims

A process for the preparation of a plaque inhibiting antibacterial oral gel composition having a viscosity of 150×10^3 to 360×10^3 cps, said process comprising mixing :

- (a) 0.01 to 5 weight % of water insoluble noncationic antibacterial agent;
- (b) 0.5 to 5 weight % of at least one organic surface active agent of the kind such as herein before described;
- (c) 0.07 to 6 weight % of flavoring oil solubilizing material to dissolve said antibacterial agent in saliva;
- (d) 0.005 to 6 weight % of antibacterial-enhancing agent that contains at least one retention-enhancing group and at least one delivery-enhancing functional group, wherein said retention-enhancing group enhances attachment, adherence or bonding of said antibacterial agent to oral surfaces and said delivery-enhancing functional group enhances delivery of said antibacterial agent to oral surfaces;
- (e) the balance comprising an orally acceptable gel vehicle with the proviso that said composition is free of polyphosphate anticalculus agent in an effective anti-calculus amount.

(Compl. Specn. : 44 Pages;

Drgn. : Nil Sheet)

Ind. Cl. : 55 E.

185703

Int. Cl.⁴ : A 61 J 30/4.

A PROCESS FOR THE PREPARATION OF A COMPOSITION FOR TREATING VITILIGO.

Applicant : PROF. ABBURI RAMAIAH, AN INDIAN NATIONAL OF 137, CHARAK SADAN, VIKASPURI, NEW DELHI, INDIA.

Inventor : ABBURI RAMAIAH—INDIA.

Application for Patent No. 1052/Del/96 filed on 20-05-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A process for the preparation of a composition for treating vitiligo and tanning white skin comprising mixing 10—90% solvent (for example alcohols or glycols) with 10—90% sebacate at the ambient temperature and 1 atmospheric pressure, and then adding 0.02—0.5% selective active fragments of bFGF thereto and mixing thoroughly therewith to get the above synergistic composition

(Compl. Specn. : 7 Pages;

Drgn. : 1 Sheet)

Ind. Cl. : 600b, 55F.

185704

Int. Cl. : A 61 K 35/78.

A PROCESS FOR PRODUCING AN 'EXTRACT' OF BRAHMI FOR ENHANCEMENT OF MENTAL CAPABILITIES.

Applicant : DALMIA CENTRE FOR BIO-TECHNOLOGY, REGISTERED UNDER SOCIETIES REGISTRATION ACT, 1860 HAVING ITS OFFICE AT 9/38-C, SIRUVANI MAIN ROAD, KALAMPALAYAM, COIMBATORE-641010, TAMIL NADU, INDIA.

Inventor(s) :

1. MAHARAJ KRISHEN PANDITA—INDIA
2. GOVIND PRASAD DUBE—INDIA

Application for Patent No. 1089/Del/96 filed on 23-05-96.

Complete left after Provisional Specification filed on 22-08-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A process for producing an extract of brahmi having debitterized rich glycosidal fraction for use for enhancement of mental capabilities comprising refluxing an alcoholic extract of *Beccopa Monnieri* (Brahmi), concentrating said extract to a solid content of 30–70% in the manner as herein described and drying the same at a temperature of 50–90°C, treating said dried material with chloroform for the removal of the soluble fraction and then subjecting the insoluble fraction to the step of refining in the manner as herein described to obtain a debitterized rich fraction of glycosides

(Provn. Specn. : 6 Pages;

Drgn. Nil Sheet)

(Compl. Specn. : 11 Pages;

Drgn. : Nil Sheet)

Ind. Cl. : 53E

185705

Int. Cl. : C08L 79/02.

BONE STIMULATING FACTOR.

Applicant : GENSCI REGENERATION SCIENCES INC, 201–5090, EXPLORER DRIVE, MISSISSAUGA ONTARIO LAW 4T9, CANADA, A CANADIAN CORPORATION.

Inventor : CHERK SHING TAM (CANADA).

Application for Patent No. 1245/Del/96 filed on 7th June 96.

Convention date 7-6-95/(08/487074)/(USA).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

13 Claims

A process for preparing polypeptide having an amino acid sequence SEQ 1, SEQ 3, SEQ 4, SEQ 5, SEQ 6, SEQ 7,

SEQ 8 and SEQ 9 or analogues thereof as given in figure 13

Accession Number	Sequence
10 10 00 1	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 2	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 3	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 4	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 5	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 6	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 7	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 8	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 9	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 10	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 11	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 12	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 13	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 14	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 15	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 10 00 16	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

FIGURE 13

which comprises culturing the transformant DNA as herein described to allow it to produce the said polypeptide and recovering the said polypeptide from resulting cultured mixture.

(Compl Specn 37 Pages;

Drgns. 9 Sheets)

Ind. Cl. : 32 F.

185706

Int. Cl. : C 07 c 85/00.

PROCESS FOR THE MANUFACTURE OF METHYLAMINES.

Applicant : UCBS.A., OF 326, AVENUE LOUISE, BRUXELLES, BELGIUM.

Inventor(s) :

1. AUGUST VAN GYSEL—BELGIUM
2. JEAN PASSELECQ—BELGIUM

Application for Patent No. 1467/Del/96 filed on 2-7-96.

Convention date 7-7-95/(9513943.2)/(U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A process for the manufacture of methylamines, characterised by the steps of :

- (i) drying an ammonium mordenite at a temperature lower than 400°C, for a period of 180 to 540 minutes and at a pressure that is lower than or equal to 3 bars, to maintain the mordenite in ammonium form;
- (ii) treating the dried ammonium mordenite thus obtained in step (1) with tetrachlorosilane in the gas phase at a temperature of 300 to 600°C for a period of 60 to 180 minutes to obtain modified ammonium mordenite having a Si/Al atomic ratio of 10:1 to 30:1; and
- (iii) passing a mixture of methanol and ammonia in the gas phase at elevated temperature over the thus obtained modified ammonium mordenite.

(Compl. Specn. : 23 Pages;

Drgn. : Nil Sheet)

Ind. Cl. : 32E, 32C, 32F&C.

185707

Int. Cl.⁴ : C08G 71/04.**AN IMPROVED PROCESS FOR THE PREPARATION OF URETHANES.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventor(s) :

1. SUJIT ROY—INDIA.

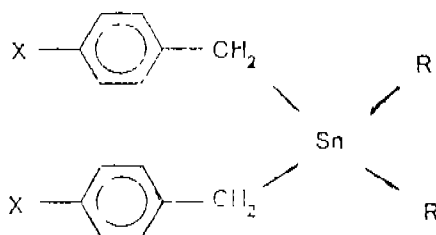
2. KANAK KANTI MAJUMDAR—INDIA.

Application for Patent No. 1995/Del/96 filed on 11th Sep. 96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

An improved process for the preparation of urethanes which comprises reacting an alcohol and alkyl or aryl isocyanate/isothiocyanate in the presence of a novel ring substituted dibenzyl tin (iv) dicarboxylate type catalyst of formula 1



in a nonpolar organic solvent at a temperature in the range of 20 to 80 degree celsius and isolating the urethane formed by conventional solvent extraction method.

(Compl. Specn. 9 Pages;

Drng. Sheet Nil)

Ind. Cl. : 55D₁

185708

Int. Cl.⁴ : A 01 N 33/00.**A PROCESS FOR PREPARING 2-(PYRID-2-YLOXY-METHYL) PHENYLACETATE**

Applicant : ZENeca LIMITED, A BRITISH COMPANY, OF 15 STANHOPE GATE, LONDON W1Y 6LN, ENGLAND

Inventor(s) :

1. ALFRED GLYN WILLIAMS—UK.

2. GORDON RICHARD MUNNS—UK.

3. PAUL ANTHONY WORTHINGTON—UK.

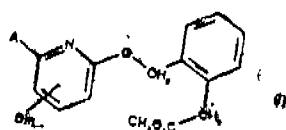
Application for Patent No. 21J6/Del/96 filed on 26th Sep. 96.

Convention Application No. 9520355.0/UK/5-10-95.

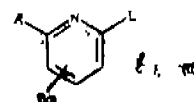
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A process for preparing a methyl 2-(pyrid-2-yloxymethyl) phenylacetate of formula (1) —



where A and D are independently H, halo (halomethyl, haloalkoxy, phenyl, phenoxy, nitro, amino, acylamino, cyano, carboxy, alkoxycarbonyl or alkylcarbonyloxy or equivalent and m is 0 or an integer of from 1 to 3 provided that A is other than H when m is an integer of from 1 to 3, which comprises reacting a 2-pyridine of formula (II) :—



wherein L is a leaving group suitable for ether formation with benzyl alcohol and A, D and m are as defined above with a dimetal salt of 2-hydroxymethylphenylacetic acid compound MO-CH₂R wherein M is a metal atom R is the residue of a metal salt of 2-phenylacetic acid in a solvent of the kind such as herein before described at a temperature of from 50°C to 120°C at atmospheric pressure, and methylating by any conventional means the metal salt of the 2-pyridyloxymethylphenylacetic acid so obtained.

(Compl. Specn. 16 Pages;

Drng. Sheet Nil)

Ind. Cl. : 40 B.

185709

Int. Cl.⁴ : C08F 2/00.**A PROCESS FOR THE PREPARATION OF A THERMOSTABLE, ALKALI STABLE XYLANASE.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, INDIA.

Inventor(s) :

1. NAVEEN GUPTA—INDIA.

2. AMIT GHOSH—INDIA.

Application for Patent No. 2308/Del/96 filed on 25th October, 96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

A process for the preparation of a thermostable, alkalisable xylanase which comprises growing novel recombinant Bacillus sp having characteristics as herein defined in a conventional medium essentially containing source of xylan in a known manner at least for a period of 12 hours, removing the cells either by centrifugation or filtration and recovering xylanase by conventional methods from the supernatant.

(Compl. Specn. 33 Pages;

Drng. 1 Sheet)

Ind. Cl. : 55F.

185710

Int. Cl.⁴ : C12P 19/30.**AN IMPROVED PROCESS FOR THE PREPARATION OF A POLYMER SUPPORT.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) :

1. PRADEEP KUMAR—INDIA.

2. KAILASH CHAND GUPTA—INDIA.

Application for Patent No. 2336/Del/96 filed on 29th Oct., 96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

An improved process for the preparation of a polymer support of formula II



II

wherein P represents a polymer support bearing aminoalkyl or hydroxyl functionalities such as herein described and R stands for an organic substance bearing a pair of C is hydroxyl groups where one of the hydroxyl function is coupled to aminoalkyl or hydroxyl function via a succinate linkage and other hydroxyl function of the organic substance was protected with trityl group using monomethoxytrityl or 4, 4' dimethoxytrityl chloride useful for the synthesis of oligo-deoxyribonucleotides, which comprises :-

- (i) treating an organic compound having a pair of cis hydroxyl (both are at secondary position) groups with 4, 4'-dimethoxytrityl chloride and isolating the monosubstituted derivative of the said compound by a method such as herein described.
- (ii) treating the said monosubstituted derivative obtained in step (i) with one equivalent of a homobifunctional alkanolic acid chloride and transferring the mixture to a polymer support carrying hydroxyl or aminoalkyl groups by a method such as herein described.
- (iii) treating the polymer support obtained in step (ii) with dry alkanol for capping purpose followed by washing with dry alkanol and dialkyl ether, respectively to get the said polymer support.

(Compl Specn. 24 Pages)

Drng. 2 Sheets)

Ind. Cl. : 84 C.

185711

Int. Cl.⁴ : C 10 G 11/00.

A FLUID CATALYTIC CRACKING APPARATUS.

Applicant : UOP, A COMPANY ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, IS PRINCIPAL OFFICE LOCATED AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventor : ISMAIL BIRKAN CETINKAYA—USA.

Application for Patent No. 959/Del/92 filed on 21st October 92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

A fluid catalytic cracking apparatus comprises :

- (a) a reactor vessel;
- (b) a tubular riser connected with the reactor vessel having an inlet end for receiving feed and catalyst and an outlet end;

- (c) an elongated disengaging vessel located inside the said reactor vessel having an upper end and a lower end, said upper end having a tangential inlet horizontal conduit in direct communication with said outlet end of said riser and a central gas outlet at the top of said disengaging vessel and said lower end having an open bottom wherein the outermost portion of said open bottom is unoccluded to permit unobstructed fluid and particulate flow;
- (d) a stripping vessel located directly below said disengaging vessel said stripping vessel having an inlet in open communication with said open bottom of said disengaging vessel and an outlet for withdrawing catalyst from the stripping vessel;
- (e) means for adding stripping as to said stripping vessel; and
- (f) a segregation zone located in said stripping vessel comprising atleast two vertical partition plates spaced below said open bottom of said disengaging vessel.

(Compl. Specn. 25 Pages;

Drng. 5 Sheets)

Ind. Cl. : 107 G

185712

Int. Cl.⁴ : F02B 23/00, 25/12 & 75/02

INTERNAL COMBUSTION ENGINE.

Applicant : COVENTRY UNIVERSITY FORMERLY KNOWN AS COVENTRY POLYTECHNIC HEC, A BRITISH UNIVERSITY OF PRIORIT STREET, COVENTRY ENGLAND AND DAN MERRITT, A BRITISH CITIZEN OF 139 BAGIN'ION ROAD, COVENTRY, ENGLAND.

Inventor : DAN MERRITT, (U.K.).

Application for Patent No. 968/Del/92 filed on 23-10-92.

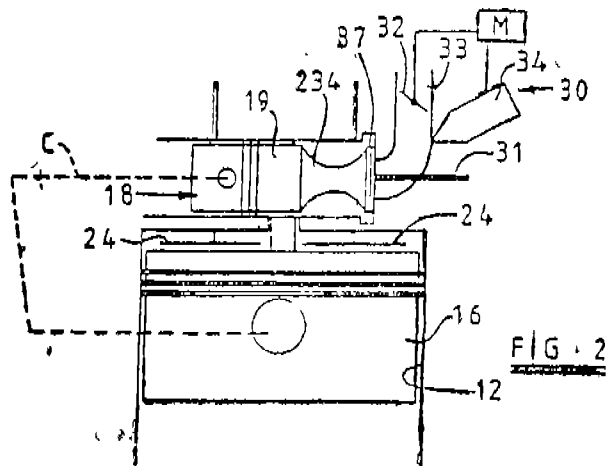
Convention date 2-11-91 & 2-7-92/(9123489.8 & 9214044.1) (U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

32 Claims

An internal combustion engine comprising, at least one set of first and second cylinders (12, 14), the first cylinder (12) having a larger swept volume than the second cylinder (14), respective first and second pistons (16, 18) movable in said cylinders (12, 14), air inlet means (24) communicating with the first cylinder (12) exhaust means (26) communicating with the first cylinder (12), a first fuel source (34) for providing fuel to the second cylinder (14), means (16, 18, 14a) defining a combustion space (20) when the pistons (16, 18) are substantially at the inner dead centre positions, the combustion space (20) communicating with both cylinders during at least a portion of the expansion stroke; inhibiting means (128) for inhibiting the movement of fuel/air mixture from the second cylinder (16) into the combustion space (20) until towards the end of the compression stroke; access means (30) associated with the second cylinder (14) for admitting fuel and/or air to the second cylinder (14) during the induction stroke, said access means (30) comprising a first port means (31) opening into said second cylinder (14) and a first valve means (32) for controlling said port means (31); and means (234) coupling said first and second pistons (16, 18) such that said pistons (16, 18) are movable in said cylinders (12, 14) in a cyclic manner at the same frequency; wherein the second piston (17) has a crown (35) and a body portion (84, 234), said crown (35) is spaced from and connected to said body portion (84) and has an edge (37) which is relatively small in the axial direction compared to the distance between said crown (35) and said body portion (84) in the axial direction, thereby to define said combustion space (20) between said piston crown (35) and body portion (234, 84) and a side wall (14a) of said second cylinder (18); and wherein the edge (37) of the second piston (18) crown (35) is radially spaced from the adjacent wall (14a) of the second

cylinder (14) to define a gap (128) therebetween which comprises said inhibiting means; characterised in that the second piston (18) is formed separately from the first piston (16) and in that said crown (35) is spaced from and connected to said body portion (84) by a pillar (234).



(Compl. Specn. 32 Pages;

Drgn. 7 Sheets)

Ind. Cl. : 89 XL1(6)

185713

Int. Cl. : G01L 21/00

A VACUUM GAUGE USING POSITIVE TEMPERATURE COEFFICIENT THERMISTOR AS THE SENSOR.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

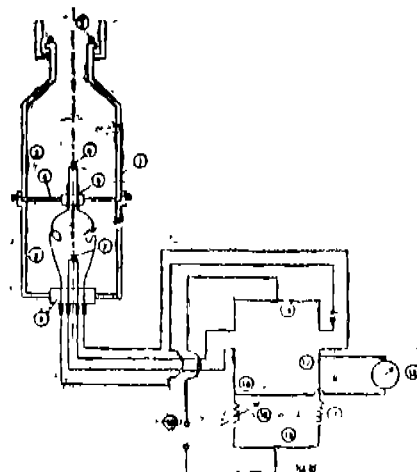
KAMALENDU SENGUPTA, INDIA.
SUMAN CHATTERJEE, INDIA &
HIMADRI SEKHAR MAITI, INDIA.

Application for Patent No. 972/Del/92 filed on 26th Oct., 92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

A vacuum gauge using positive temperature coefficient thermistor as the sensor, which comprises of a housing (1) consisting of two adjacent chambers (2 & 3) separated by a vacuum tight diaphragm (4), chamber (2) being provided with means (5) for connecting to a known vacuum system, chamber (3) being provided with opening for exposure to atmospheric pressure, characterised in that the chambers (2 & 3) being provided with a matched pair of positive temperature coefficient thermistor (6 & 7), two lead wires each from the said thermistor (6 & 7) being taken out of the chambers (2 & 3) through vacuum tight seals (8 & 9), the lead wires of thermistor (6) being connected to one arm of a bridge network (14), the leads of the other thermistor (7) being connected to the adjacent arm of the said bridge network, the other arms of the said bridge network having fixed resistors (11) and a variable resistor (12), the two opposite junctions (14 & 15) of the bridge network being connected to a dc voltage source (10) while the other two opposite junctions (16, 17) of the said bridge network being connected to an analogue or digital voltmeter (13).



(Compl. Specn. 11 Pages;

Drgn. 2 Sheets)

Ind. Cl. : 40 B.

185714

Int. Cl. : C 07 B 35/02.

AN IMPROVED PROCESS FOR THE PREPARATION OF HYDROGENATED ESTERS OF DICARBOXYLIC ACID.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, INDIA.

Inventors :

1. RAGHUNATH VITTHAL CHAUDHARI—INDIA.
2. SUBHASH HARI VAIDYA—INDIA.

Application for Patent No. 0973/Del/92 filed on 26th Oct., 92.

Appropriate Officer for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

An improved process for the preparation of hydrogenated esters of dicarboxylic acid which comprises hydrogenating the alkyl ester of dicarboxylic acid using a novel supported bimetallic catalyst comprising transition metal and group IV(A) metal borides supported on active alumina at a temperature in the range of 220°C to 250°C under partial pressure of hydrogen in the range of 1000 psig to 3000 psig for a period in the range of 6 hours to 10 hours under constant stirring and recovering the product by known methods such as distillation.

(Compl. Specn. 11 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 40 B.

185715

Int. Cl. : B 01 J 21/00.

A PROCESS FOR THE PREPARATION OF SUPPORTED BIMETALLIC CATALYST USEFUL FOR THE HYDROGENATION OF ESTERS OF DICARBOXYLIC ACID.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, INDIA.

Inventors :

1. RAGHUNATH VITTHAL CHAUDHARI—INDIA.
2. SUBHASH HARI VAIDYA—INDIA.

Application for Patent No. 0974/Del/92 filed on 26-10-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

A process for the preparation of supported bimetallic catalyst useful for the hydrogenation of esters of dicarboxylic acid which comprises of impregnating activated alumina powder with 0.5 to 2.0% transition metal, by contacting the said alumina powder with an aqueous solution of salt of transition metal, treating the said transition metal salt impregnated alumina powder with aqueous solution of salt of group IV(A) metal in acidic medium so as to have ratio of transition metal to group IV(A) metal in the range of 1:5 to 1:20, further treating the bimetallic impregnated alumina powder with an alkali solution followed by a solution of boron containing compound and finally washing and drying the resultant supported bimetallic catalyst.

(Comp. Specn. 8 Pages;

Drng. Sheet Nil)

Ind. Cl. : 206 B

185716

Int. Cl.⁴ : B 65 B 1/02

AN IMPROVED MAGNETIC RECORDING TAPE CASSETTE.

Applicant : SONY CORPORATION, A JAPANESE COMPANY, OF 7-35, KITASHINAGAWA 6-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventor : MASANOBU SUGIYAMA, JAPAN.

Application for Patent No. 980/Del/92 filed on 27-10-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

An improved magnetic recording tape cassette (11) comprising :

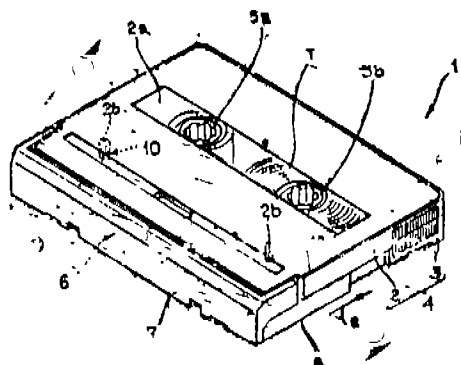
a cassette housing (4) composed of an upper cassette part (2), and a lower cassette part (3) and which accommodates therein a pair of tape hubs (5a, 5b) said tape hubs (5a, 5b) having a magnetic tape (7) wound there around;

a slider (8) slidably provided on said cassette housing (4) so as to open and close a lower surface opening portion (6) of said cassette housing (4);

a pair of slider lock portions (3c) provided on said lower cassette part (3) to lock said slider (8) at a predetermined position; and a pair of engagement apertures (8c) bored through said slider (8) and which are engaged with said slider lock portions (3c) when the slider (8) closed said lower surface opening portion (6);

characterized in that

inclined portions (8c1) are formed facing said cassette housing (4) on one end face of said engagement aperture (8c) said inclined portions (8c1) being in slidable contact and opposing the top (8d1) of said slider lock portion (3c) of said lower cassette part (3) when said slider (8) is moved in the rearward direction of said cassette housing (4).

FIG. 8

(Comp. Specn. 21 Pages;

Drng. Sheet 8)

Ind. Cl. : 27 I

185717

Int. Cl.⁴ : E 02 D 5/02

IMPROVED SHEETPILES.

Applicant : SUBTERRANEAN SYSTEMS PTE LTD., 39 C, HAIG GARDENS, IPOH LANE, KATONG, SINGAPORE-1543.

Inventors :

JOHN ASHLEY YEATS—AUSTRALIA &
MILTON MILES COLSON—NEW ZEALANDER.

Application for Patent No. 986/Del/92 filed on 29th Oct. 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

24 Claims

An improved sheetpile comprising a sheet formed or folded about a longitudinal axis so as to be of corrugated profile form and having an overall width (ws) exceeding 800mm. said sheetpile defining stiffening panel means, driving rib means and joint strip means, and characterized in that the profile for each of said stiffening panel means, driving rib means and joint strip means is that the depth of the profile (d) is at least 200mm. the thickness of the material (t) is less and equal to 5mm. the flange width (f) is between 0mm and 450mm, the angle of inclination of the web (i) is greater than 45 degrees and less and equal to 90 degrees and the ratio (f/d) is between 0 and 4 wherein the number (n) of said profiles in each of said means is between 0.5 and 2 and wherein the ratio of

the overall width (ws) and minimum thickness (tm) is at least 100 and the number of profiles in the said sheetpile (N) is greater and equal to 1 and less than 5.

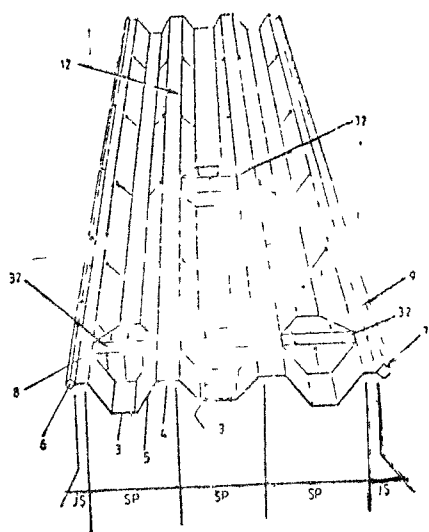


FIG 3

(Compl. Specn. 36 Pages;

Drngn. Sheets 14)

Ind. Cl. : 42 C.

185718

Int. Cl.⁴ : A 24D 1/00, A 24B 15/00.

A NON SELF EXTINGUISHING FACTORY MADE CIGARETTE.

Applicant : ROTHMANS, BENSON & HEDGES, INC., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF CANADA OF 1500 DON MILLS ROAD, NORTH YORK, ONTARIO, CANADA M3B 3L1.

Inventor(s) :

1. LARRYBOWEN—CANADA.
2. WARREN ARTHUR BRACKMANN—CANADA
3. NORMAN COHEN—CANADA.
4. GEORGE FAZEKAS—CANADA.
5. JOSEPH HEFFERNAN—CANADA.
6. PATER P. KACZMAREK—CANADA.
7. STANISLAV M. SNAIDR—CANADA.

Application for Patent No. 989/Del/92 filed on 30-10-92.

Convention date 30-10-91/9122935.1/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A nonself extinguishing factory-made cigarette which comprises a tobacco rod characterized in that said tobacco rod consists of a tobacco blend having a free burn rate as herein defined of no more than 4 mm/min, said tobacco rod having a density of tobacco therein of at least 300 mg/cc, said tobacco rod being of a circumference of 20 to 30 mm and a length of at least 40 mm, said tobacco blend having said density to provide at least 14 puffs i.e. at least 2 more puffs than a conventional cigarette of the same dimensions, said tobacco rod wrapped in at least a single cigarette paper having a porosity of 5 to 50 Coresta units.

(Compl. Specn. . 26 Pages,

Drngn. Nil Sheet)

2—17 61/2001

Ind. Cl. : 32 E

185719

Int. Cl.⁴ : C 08 F, 210/16.

AN IMPROVED PROCESS FOR THE PREPARATION OF HIGH MOLECULAR WEIGHT NARROW MOLECULAR WEIGHT DISTRIBUTION NON CRYSTALLINE HYDROCARBON SOLUBLE POLY (α -OLEFINS).

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, (AN INDIAN REGISTERED BODY, INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

Inventor(s) :

1. SWAMINATHAN SIVARAM—INDIA
2. GANUGUPATI SATYANARAYANA—INDIA

Application for Patent No. 998/Del/92 filed on 04th Nov., 92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

An improved for the preparation of high molecular weight narrow molecular weight distribution non crystalline hydrocarbon soluble poly (α -Olefins) which comprises of :

- (a) heating a novel homogeneous Mg complex prepared by the process as herein described with an organo-aluminum compound of the formula AIR X^{3-n} where R is a hydrocarbon radical containing 1—20 carbon atoms, X is a halogen atom and n = 2 or 3 as a cocatalyst in the presence of an organic solvent at a temperature in the range of 40—80°C.
- (b) cooling the reaction mixture to a temperature in the range of 0—60°C.
- (c) adding α -olefin having at least 4 C atom the cooled catalyst maintaining the temperature between 0—60°C under vigorous agitation, and
- (d) terminating the reaction by the addition of a acidified methanol and separating the precipitated polymer by filtration.

(Compl. Specn 15 Pages;

Drngn. Sheet Nil

Ind. Cl. : C 07 C 31/00.

185720

Int. Cl.⁴ : 32 F 3 C.

AN IMPROVED PROCESS FOR PRODUCING ETHANOL USING ALUMINO SILICATE ZEOLITE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) :

1. ANIL HARISCHANDRA LACHKE—INDIA
2. ARVIND NARAYAN KOTASTHANE—INDIA
3. SANJAY SHRIDHAR PALNITKAR—INDIA

Applicant for Patent No 999/Del/92 filed on 04-11-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005

8 Claims

An improved process for producing ethanol using alumino silicate zeolite with continuous fermentation the yeast *Candida shehatae* of the kind is herein described & having the Accession No ATCC 22984 in a conventional fermenting

medium in the presence of D-xylose and at least 0.5% (w/v) of aluminosilicate of mineral faujesite class, synthetic zeolites X or Y or a combination thereof as a catalyst at a temperature between 24 to 40°C and for a period ranging from 24 to 96 hours and recovering ethanol reduced by known methods.

(Compl. Specn. : 11 Pages,

Drgn. : Nil Sheet)

Ind. Cl. : 98 G.

185721

Int. Cl. : F 22 G, 5/14.

A COMBINED CYCLE SYSTEM FOR GENERATING POWER.

Applicant : GENERAL ELECTRIC COMPANY OF 1, RIVER ROAD, SCHENECTADY 12345, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor : LEROY OMAR TOMLINSON.

Application No. 1640/Cal/95 filed on 14-12-95.

(Convention No. 08/417,426 filed on 5-4-95 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A combined cycle system for generating power comprising a gas turbine, a steam turbine, and at least one heat recovery steam generator, exhaust gas of said gas turbine is used in the heat recovery steam generator for heating steam for the steam turbine, said gas turbine exhaust gas flowing from an entry end to an exit end of the heat recovery steam generator, said heat recovery steam generator comprises at least one high pressure evaporator arranged to supply steam to a superheater having multiple passes with a first pass at one end thereof adjacent the evaporator, and a final pass adjacent an opposite end thereof and adjacent the entry end of the heat recovery steam generator, and one or more intermediate passes between the first and final passes, the improvement comprising an attemperament conduit not exposed to the gas turbine exhaust gas, connecting said one end and said opposite end of said superheater, bypassing the intermediate passes to thereby introduce cooler superheated steam from said one end into said superheater at said opposite end

FIG. 1A

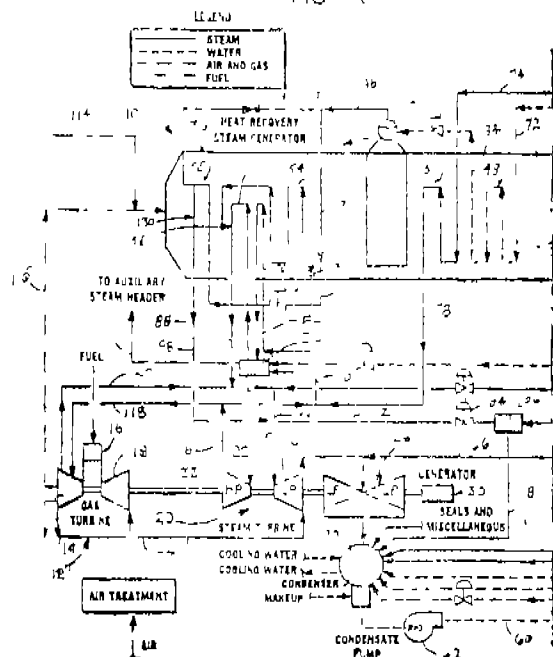
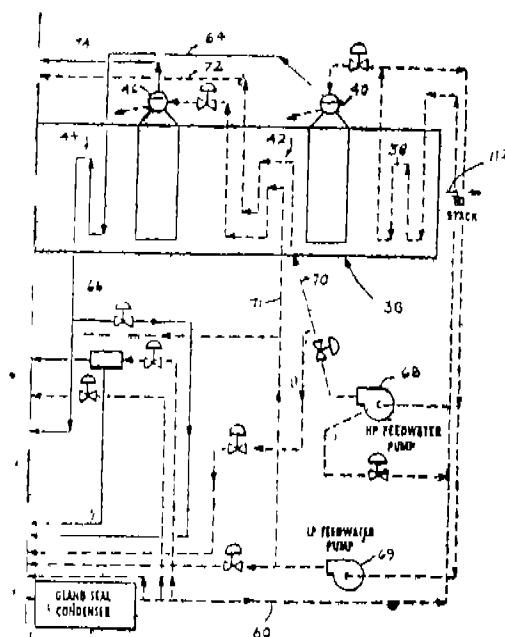


FIG. 1B



(Compl. Specn. : 14 Pages,

Drgn. : 3 Sheets)

Ind. Cl. : 146 D1

185722

Int. Cl. : G 0213 27/00.

OPTICAL PICKUP DEVICE.

Applicant : DAEWOO ELECTRONICS CO. LTD. OF 541GA, NAMDAEMOON RO, JUNGKU, SEOUL, KOREA

Inventors :

YEON OK KIM.

JUN HYUN PARK.

Application No. 860/Cal/95 filed on 27-7-1995.

(Post-dated to 8-8-95)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

An optical pickup device comprising :

a first light source (34) for generating a first laser beam into a first direction;

a first diffraction grating (38) for separating said first beam into three beams;

a first half mirror (58) for transmitting said first laser beam into said first direction, and for reflecting light incident from a second direction which is opposite to said first direction into a third direction;

a first collimator lens (42) for converting said first laser beam transmitted through said first half mirror (58) into a first parallel light, and for condensing light incident from said second direction to be directed to said first half mirror (58) in said second direction

a first total reflecting mirror (50) for reflecting said first parallel light toward a first optical disk (20), and for directing a first reflecting light from said first optical disk (20) toward said first collimator lens (42) in said second direction;

a first object lens (54) for condensing a second reflecting light reflected from said first total reflecting mirror (50), and for converting said first reflecting light from said first optical disk (20) into a second parallel light;

a second light source (36) for generating a second laser beam into said first direction;

a second diffraction grating (40) for separating said second beam into three beams;

a second half mirror (60) for transmitting said second laser beam into said first direction, and for reflecting light incident from said second direction which is opposite to said first direction into a fourth direction;

a second collimator lens (44) for converting said second laser beam transmitted from said second half mirror (60) into a third parallel light and for condensing light incident from said second direction to be directed to said second half mirror (60) in said second direction;

a second total reflecting mirror (52) for reflecting said third parallel light toward a second optical disk (21), and for directing a third reflecting light from said second optical disk (21) toward said second collimator lens (44) in said second direction;

a second object lens (56) for condensing a fourth reflecting light reflected from said second total reflecting mirror (52), and for converting said third reflecting light from said second optical disk (21) into a fourth parallel light; and

a light receiving device (62) for receiving light reflected from said first and second half mirrors (58, 60) in said third direction and in said fourth direction, respectively.

FIG. 1

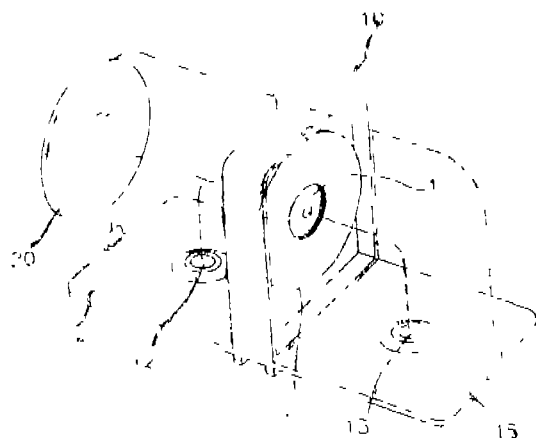
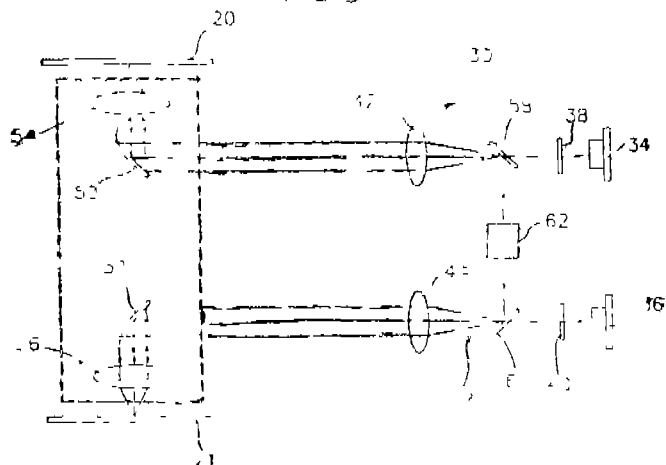


FIG. 3



(Compl. Specn. 22 Pages;

Drgns. 4 Sheets)

Ind. Cl. : 128 K/128G

185723

Int. Cl.¹ : A 61 M 1/00, A 61 B 17/20

A PHACO-EMULSIFICATION NEEDLE.

Applicant : OVERSBY PTY. LTD OF LEVEL 1, 10 KINGS PARK ROAD, WEST PERTH, WESTERN AUSTRALIA, 6005, AUSTRALIA.

Inventor : BARRETT GRAHAM DAVID.

Application No. 1051/Cal/95 filed on 4-9-95.

(Convention No.(s) PM 7844 and 08/486.861 filed on respectively) 2-9-94 and 7-6-95 in Australia and U.S.A.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

18 Claims

A phaco-emulsification needle (20, 20', 20'', 40) comprising :

a shaft (21) having a proximal end, a distal end, a mid-region (25) having an exterior surface, and a longitudinal lumen (13) extending through the shaft (21) from the proximal end to the distal end;

a hub (12) disposed at the proximal end, the longitudinal lumen (13) extending through the hub (12);

and

a tip (18) disposed at the distal end;

characterised in that the mid-region (25) comprises a portion having a plurality of longitudinally extending grooves (30) disposed about the exterior surface of the mid-region (25); and that the longitudinal lumen (13) has a first cross-sectional area, and, in the mid-region (25), the lumen (13) has a second cross-sectional area smaller than the first cross-sectional area.

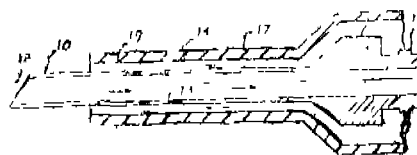


FIG. 1

(Compl. Specn. 19 Pages;

Drgns. 4 Sheets)

Ind. Cl. : 86 B

185724

Int. Cl.¹ : A 47 D 13/10 A 47 C 1/02, 3/02

A ROCKING CHAIR

Applicant : LA-Z-BOY INCORPORATED OF 1284 N. TELEGRAPH ROAD, MONROE, MICHIGAN-48161, UNITED STATES OF AMERICA

Inventors :

RICHARD E. MARCHALL.

LARRY P. LAPOINTE

JONATHAN R. SAUL.

KARL J. KOMOROWSKI

Application No. 1206/Cal/95 filed on 9-10-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A rocking chair (10) comprising :

a base assembly (14);

a chair frame (12) supported for rocking movement on said base (14);

A drive mechanism (16) comprising a drive rod (32) suspended from said chair frame (12) for rotational movement in a first and second direction;

actuation means (48) for permitting a seat occupant to selectively actuate said drive mechanism (16) to rocking/reclining movement;

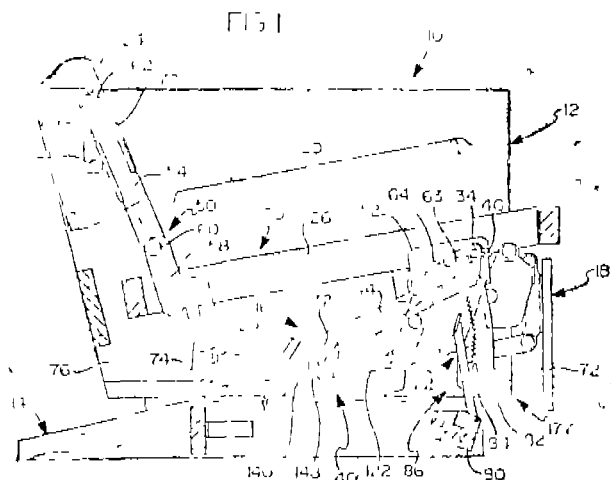
a ratchet sector (82) secured to said chair frame (12) and having ratchet teeth (84) formed thereon;

a pawl assembly (86) comprising a pawl member (92) pivotally coupled to said base for rotational movement between a first, disengaged position lockingly engaging said ratchet teeth (84) wherein said chair frame (12) is releasably locked in a rearwardly tilted position, and a second engaged position released from said ratchet teeth (84) for permitting unrestricted rocking movement of said chair frame (12);

spring means (106) for normally biasing said pawl member (92) toward said first position, said spring means (106) adapted to exert an engagement force on said pawl member (92) for maintaining locked engagement with said ratchet teeth (84) when said pawl member (92) is in said first position;

a release assembly (120) comprising a swivel link (141) supported on said drive rod (32) for free rotation thereabout, a rigid release link (122) having a first end coupled to said pawl member (92) and a second end disposed adjacent to said swivel link (141), and means for pivotally connecting said second end to said swivel link (141); and

a trip link (148) fixed for rotation on said drive rod (32) and operable to engage said swivel link (141) in response to rotation of said drive rod (32) in said first direction for causing limited rotation of said swivel link (141) such that said release assembly (120) pulls said pawl member (92) toward said second position in opposition to the biasing of said spring means (106), said trip link (148) further operable to disengage said swivel link (141) in response to rotation of said drive rod (32) in said second direction such that said spring means (106) urges said pawl member (92) into locking engagement with said ratchet teeth (84).



Compl. Specn. 23 Pages;

Drgns. 5 Sheets.

Ind. Cl. : 103, 144 (2)

Int. Cl.⁴ : C 25 D 9/04 13/023

A PROCESS FOR PREPARATION OF PHOSPHATE COATED METAL SURFACES.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF REUTERWEG 14D-60323 FRANKFURT AM MAIN, GERMANY.

Inventors :

1. THOMAS WENDEL.
2. HARDY WIETZORECK.
3. KLAUS BITTNER.
4. PETER SCHIEFER.
5. MARCUS SCHNIZEL.
6. HULMUT HULSMANN.

Application No. 1474/Cal/95 filed on 17-11-95.

(Convention No. P4443882.6 filed on 9-12-94 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

6 Claims

A process of preparation phosphate coated surfaces of zinc iron, aluminium or alloys thereof by wetting the surfaces with a phosphating solution which contains divalent cations and phosphate, whereafter the liquid film is dried in place, characterised in that the surfaces are wetted with a phosphating solution which is free of elements of the fifth and sixth subgroup of the periodic system and contains

0.5 to 8 g/l nickel

2 to 20 g/l manganese

18 to 170 g/l phosphate (Calculated as P_2O_5) and has an S value from 0.4 to 0.8 in such a manner that a phosphate layer having a coating weight from 0.3 to 3.0 g/m² is obtained after drying, wherein for a phosphating of surfaces of iron, aluminium or alloys thereof the phosphating solution necessarily contains 0.5 to 5 g/l zinc and for a phosphating of surfaces of zinc or zinc alloys the phosphating solution optionally contains zinc ion.

Compl. Specn. 20 Pages;

Drgns. Sheets Nil.

Ind. Cl. : 93

185726

Int. Cl.⁴ : B 22 F 3/12

A PROCESS FOR THE MANUFACTURE OF SINTERING MATERIAL.

Applicant : DEGUSSA HULS AKTIENGESELLSCHAFT OF WEISSFRAUENSTRASSE 9, D-60311 FRANKFURT GERMANY.

Inventors :

- WOLFGANG WEISE.
ROGER WOLMER.
PETER BRAUMANN.

Application No. 73/Cal/96 filed on 16-11-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

4 Claims

Process for the manufacture of sintering materials by mixing of the powders of 3.2 to 19.9 wt-% tin oxide, 0.05 to 0.4 wt%, in each case, of indium oxide and bismuth oxide, the remainder being silver, cold isostatic pressing of the powder mixture, sintering at temperatures from 500 to 940°C and extrusion so as to form wires or profiles, wherein prior to the mixing with the silver powder and the other oxide powders more than 60 wt-% of the tin-oxide powder exhibits a particle size of more than 1 μ m.

Compl. Specn. 9 Pages;

Drgns. Nil Sheets.

Ind. Cl. : 32 F₂ (a)
55 E₂

185727

Int. Cl.⁴ : A 61 K 31/165

PROCESS FOR THE PREPARATION OF BENZAMIDES.

Applicant : MERK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG OF DARMSTADT, FRANKFURTER STRASSE 250, FEDERAL REPUBLIC OF GERMANY.

Inventors :

ANDREAS WAECHTER,
MARGIT STERN,
VOLKER REIFFENRATH.

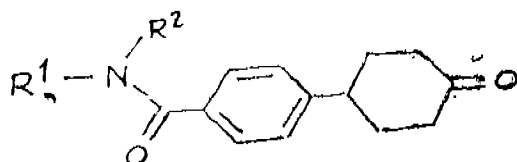
Application No. 1228/Cal/97 filed on 26-6-97.

(Convention No. P 19626771.4 filed on 3-7-96 in Germany).

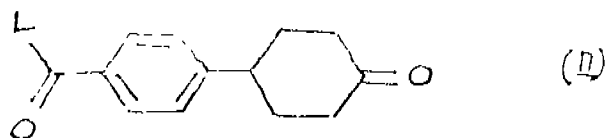
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

3 Claims

Process for the preparation of benzamides of the formula I :



Wherein R¹ and R² independently of one another are each alkyl having 1-6 carbon atoms, or R¹ and R² together are alkylene and their salts, characterised in that a compound of the formula II :



wherein L is Cl, Br, OH or a reactive esterified OH group, is reacted with a compound of the formula III :

HNR¹R²

III

or one of its salts, wherein R¹ and R² are defined as indicated for a period of time ranging between a few minutes and 14 days, at a temperature in the range of -20 and 100°C and a molar ratio of compound of formula II to the compound of formula III is 1 : 1 to 1 : 4, and/or in that a base of the formula I is converted to one of its salts by treatment with an acid.

Compl. Specn. 7 Pages;

Drgns. Nil.

Ind. Cl. : 1 A

185728

Int. Cl.⁴ : C 09 J 1/00, 1/02

PROCESS FOR PREPARING THERMOELECTRIC MODULES, USING HIGH TEMPERATURE SUSTAINING ADHESIVE.

Applicant : 1. METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED OF DORANDA, RANCHI-834002, BIHAR, INDIA.

2. INDIAN INSTITUTE OF TECHNOLOGY OF Kharagpur, WEST BENGAL, INDIA.

Inventors :

PROF. HAR NARAYAN ACHARYA,
DR. RAM NARESH PRASAD CHOUDHARY,
DR. SHUCHITANGSHU CHATTERJEE.

Application No. 1274/Cal/98 filed on 22-7-98

(Divided out of No. 853/Cal/95 antedated to 25-7-95).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

6 Claims

A process for making thermoelectric modules based on lead chalcogenides, comprising connecting N-/P-type thermoelements, in series or in parallel, by coating the said thermoelements with an adhesive, as prepared by the process involving the steps of :

(a) admixing SiO₂ in particulate form with magnesium oxide (MgO) powder in 1 : 4 to 1 : 9 weight ratio, depending on application, to obtain a homogeneous mixture thereof; and

(b) adding to the said mixture, as binder, sodium silicate (Na₂SiO₃, 9H₂O) in 1 : 2 to 1 : 5 weight ratio, depending on application, to obtain the adhesive in workable paste form.

and keeping the said thermoelements, so coated, in open/carbon dioxide atmosphere for 24 hours or more, for natural drying thereof, followed by heating of the same at 300°C to 400°C for about an hour.

Compl. Specn. 17 Pages;

Drgns. 0 Sheets.

Ind. Cl. : 55 E

185729

Int. Cl.⁴ : A 01 N 43/34

A PROCESS FOR THE PROTECTING WOOD, WOOD PRODUCTS, OR WOODEN STRUCTURES FROM DAMAGE AND DESTRUCTION, CAUSED BY TERMITES.

Applicant : AMERICAN CYANAMID COMPANY OF FIVE GIRALDA FARMS, MADISON, NEW JERSEY 07940, UNITED STATES OF AMERICA.

Inventors :

BYRON LESLIE REID,
ROBERT ALLEN FARLOW.

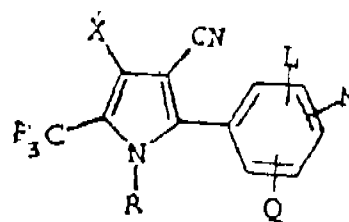
Application No. 1415/Cal/98 filed on 7-8-98.

(Convention No. 08/907,761 filed on 8-8-97 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

8 Claims

1. A process for protecting wood, wool products or wooden structures from damage and destruction, cause by termites, by treating fo, example by impregnating, drenching or soaking the wood, wood products or wooden structures with an arylpyrrole compound formula I



(I)

wherein R is hydrogen or C₁ - C₄ alkoxymethyl;

X is Cl or Br and

L, M and O are each independently hydrogen, Cl, Br, I, F or C₁-C₄ haloalkyl.

(Compl. Specn. 23 Pages

Drugs. Nil)

Ind. Cl. : 32 C

185730

Int. Cl.⁶ : A 61 K 31/56 C 07 J 75/00

A PROCESS FOR PREPARING WATER-DISPERSIBLE STEROLS.

Applicant : MCNEIL-PPC, INC. OF GRANDVIEW ROAD, SKILLMAN, NEW JERSEY 08558, UNITED STATES OF AMERICA.

Inventors :

BURRUANO BRID.
HOY MUCHAEL R.
BRUCE, RICHARD D.
HIGGINS JOHN D.

Application No. 101/Cal/99 filed on 10-12-99.

(Convention No.(s) 09/025852 and 09/185788 filed on 19-2-98 and 4-11-98 respectively in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rules, 1972), Patent Office, Calcutta.

9 Claims

A process for preparing water-dispersible sterols such as B-sitosterols, oryzanol comprising :

(a) providing an aqueous stream;

(b) admixing to the aqueous stream (an effective amount) of from about 2 to about 2.5 weight percent of a monofunctional surfactant and of from about 2 to about 2.5 weight percent of a polyfunctional surfactant to form a water surfactant mixture;

(c) admixing the sterol to the water surfactant mixture to form a sterol suspension;

(d) drying the sterol suspension to recover a water-dispersible sterol;

wherein the above process is performed in the absence of deaeration and homogenization steps.

(Compl. Specn. 16 Pages;

Drugs. 0 Sheets)

PATENT SEALED ON 16-03-2001

183577*D 184262* 184433 184449 184457 184466 184486*
184487 184488* 184490*D 184491* 184492* 184494*
184495* 184496* 184497* 184498 184499*D 184501
184502*F 184503*F 184505*D 184506* 184507*D 184508*D
184512 184513* 184514 184515* 184516*D 184518*D
184520*F 184521 184522 184523 184526 184528*D 184529*D
184530* 184531* 184532* 184533* 184536*D 184537*D
184538* 184539* 184540*

CAL-08, DEL-13, MUM-23, CHEN-03

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D Drug Patents

F-Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Design Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

Class 3. No. 183234. Symphony Comfort Systems Limited of Sanskrut, High Court Road, Navrangpura, Ahmedabad-380009, Gujarat State, India. "Air Cooler". 17th August 2000.

Class 3. No. 183253. Nalamada Gautham Kumar, An Indian National of H. No. 775K, Road No. 45, Juble Hills, Hyderabad-500033. "Multi-outlet Distributor Plug". 21st August 2000.

Class 3. No. 183267. Gandhimathi Appliances Limited, an Indian Company of No. 143, Pudupakkam Village, Vandalur-Kelambakkam Road, Kelambakkam Post-603 103, Kanchipuram District Tamil Nadu, India. "Small Jar of the Mixer/Grinder". 22nd August 2000.

Class 3. Nos. 183268 & 183269. Gandhimathi Appliances Limited, an Indian Company of No. 143, Pudupakkam Village, Vandalur-Kelambakkam Road, Kelambakkam Post-603103, Kanchipuram District, Tamil Nadu. "Table Top Wetgrinder". 22nd August 2000.

Class 3. Nos. 183270 & 183272. Nilkamal Plastics Ltd. of Plot No. 971-1A, Sinnar Taluka Industrial Co-operative Estate, Sinnar Shirdi Road, Sinnar-422103, Maharashtra, India. "Centre Table". 22nd August 2000.

Class 3. Nos. 183273 to 183276. Nilkamal Plastics Ltd. of Plot No. 971-1A, Sinnar Taluka Industrial Co-operative Estate, Sinnar Shirdi Road, Sinnar-422103, Maharashtra, India. "Chair". 22nd August 2000.

Class 3. No. 183277. Whirlpool of India Limited, an Indian Company of 7th Floor, Atma Ram House, 1 Tolstoy Marg, New Delhi-110001, India. "Washing Machine Roto Brush". 23rd August 2000.

Class 3. No. 183278. Whirlpool of India Ltd. an Indian Company of 7th Floor, Atma Ram House, 1, Tolstoy Marg, New Delhi-110001, India. "Ice-Tray". 23rd August 2000.

Class 3. Nos. 183279 & 183280. Koninklijke Philips Electronics N. V. of Groenewoudseweg, 1, 5621 B A Eindhoven, The Netherlands. "Pedestal for Blender". 29th June 2000. (Priority) (U.K.).

Class 3. No. 183283. Koninklijke Philips Electronics N.V. a Limited company of Groenewoudseweg 1, 5621, B A Eindhoven, The Netherlands. "Blender Jar". 29th June 2000. (Priority) (U.K.).

H. D. THAKUR

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